Department of Fish and Game
Fisheries Restoration Grant Program

Projects Funded for 2006-2007

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
ALL	132	Pacific States Marine Fisheries Commission	Adaptive Watershed Improvement Projects 2006	Provide financial support in an adaptive, responsive, needs driven process to facilitate watershed, riparian and stream habitat improvement projects which will benefit salmon, cutthroat, and steelhead streams of coastal California (outside the Central Valley drainage).	All coastal counties	All Coastal	All Coastal	$2,000,000.00	$800,000.00
ED	112	Rural Human Services	Del Norte County Raising Salmon in the Classroom Program	Assist Del Norte County educational programs with local watershed and anadromous fishery conservation by coordination of Del Norte County Salmon in the Classroom program where: 1) Public school children incubate live salmonid eggs and release hatched fry to local stream. 2) Anadromous life cycle and importance of watershed health is the focus. 3) DFG accepted curriculum for inclusion with current California Department of Education Content Standards is taught. 4) Collaboration with Del Norte County Schools and the non-profit Rowdy Creek Fish Hatchery. 5) Evaluation plan specific to measurable learning objectives achieved.	Del Norte	Smith River	Smith River	$8,083.00	$8,083.00
FP	090	Greenspace, The Cambria Land Trust	Ferrasci Road Bridge	The project eliminates steelhead emigration and immigration issues on Santa Rosa Creek, at the Ferrasci Road crossing, by implementing the highest ranked Tasks (5, CC-08) in the Steelhead Trout Management Tasks for California on the Central Coast (Estero Bay) by replacing the Ferrasci Road Crossing barrier with a clear-span bridge designed to be free of the 100-year flood event. The completed project will provide unrestricted steelhead passage to 10 miles of creek and as much as 8 miles of tributaries to spawning and rearing habitat above the project site. It will eliminate costly, often weekly, maintenance during the wet season of the existing barrier and the poorly designed and narrow fish ladder, and stabilize and enhance the channel through the project area and improve habitat by strategic placement of woody debris and boulder clusters as per criteria in the California Salmonid Stream Habitat Restoration Manual.	San Luis Obispo	Santa Rosa Creek	Central Coastal	$746,344.00	$746,344.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
FP	149	California Department of Transportation	El Capitan Culvert	Implement culvert modifications at the Highway 101 El Capitan Creek culvert.	Santa Barbara	El Capitan Creek	Canada del Capitan	$443,000.00	$385,948.00
FP	138	Humboldt Fish Action Council	Hall Creek Fish Passage Enhancement Project	To remove an arched-corrugated steel pipe (A-CSP) 5' high x 6.5' wide x 70' long, with a 2.1 foot jump at the outlet, that is a total barrier juvenile. The culvert was determined to be a barrier using the DFG fish passage evaluation methods.	Humboldt	Hall Creek	Mad-Redwood	$69,743.00	$69,743.00
FP	111	Marin County Department of Public Works	Woodacre Creek Fish Passage Restoration	To restore migration of juvenile and adult coho and steelhead through an existing barrier on Woodacre Creek, a prominent tributary in the Lagunitas Creek system.	Marin	Woodacre Creek	Lagunitas Creek~ Tomales Bay	$220,088.00	$166,903.00
FP	195	Santa Cruz County Resource Conservation District	West Branch Soquel Creek Fish Passage Barrier Removal	The purpose of this project is to remove the most downstream fish passage barrier on the West Branch of Soquel Creek in order to open up habitat for salmonids. The existing concrete ford with culvert will be removed and replaced with a bridge to allow fish passage and primary access to the adjacent properties. The value of the reach above the ford as a refugia for steelhead and coho salmon is described in the Soquel creek Watershed Assessment and Enhancement Plan as "High if passage impediments are modified and water diversions in the upper resource unit do not dewater the reach during drought. Lack of large wood or escape cover in pools. Great potential to increase refuge due to low development potential doe to steep topography." At present, the few water diversions do not appear capable of significantly reducing flow in the reach except during severe drought and on-going efforts to provide protective bypass flows are likely to be successful. Implementation of a fish-passage improvement project here is listed as Priority 1 (1-5 scale) with immediate benefit to fish.	Santa Cruz	West Branch Soquel Creek	Soquel Creek	$409,613.00	$409,613.00
HB	050	Cachuma Conservation Release Board	Fish Passage Improvements at Rancho San Julian, El Jaro Creek	Provide access to over 4 miles of high quality spawning and rearing habitat in the El Jaro Creek basin by improving low flow passage for endangered steelhead through the Rancho San Julian portion of the stream.	Santa Barbara	El Jaro Creek	Santa Ynez River	$171,110.00	$171,110.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
HI	126	Yurok Tribe	Instream and Riparian Enhancement of McGarvey Creek: Phase I	This project would fund construction of multiple habitat improvement structures in McGarvey Creek as well as fund crews to plant 20 acres of adjoining riparian habitats with native conifers. Adding large wood to the channel would immediately address identified limiting factors by increasing instream habitat complexity and altering sediment storage dynamics. Reestablishing native riparian conifers would increase channel and bank stability, improve large wood recruitment conditions and facilitate the geomorphic processes necessary for maintaining complex and productive instream and riparian habitats.	Del Norte	McGarvey Creek	Lower Klamath River Sub Basin	$70,978.00	$70,978.00
HI	170	California Conservation Corps, Northern Service District, Fortuna Center	Wilson Creek Salmonid Habitat Enhancement Project	The project aims to further improve spawning and rearing cover habitat for salmon and steelhead along 0.76 miles of Wilson Creek. The project will install seven log instream structures, two willow bioengineered sites and plant 1,000 conifers.	Del Norte	Wilson Creek	Smith River	$28,347.00	$28,347.00
HI	029	Resource Conservation District of the Santa Monica Mountains	Rodeo Grounds Berm Removal	Restore the 12 acre natural floodplain, improve 3,000 feet of access and habitat for steelhead by removing the structures and 26,000 tons of partially lead contaminated fill materials associated with the Rodeo Grounds Berm.	Los Angeles	Topanga Creek	Pacific Ocean	$249,782.50	$249,782.50
HI	110	Rural Human Services	S. F. Winchuck Instream Habitat/Riparian Enhancement Project	Install 10 complex log/root wad and boulder structures along approx. 3,000+ feet of South Fork Winchuck River. The proposed project will improve spawning habitat and rearing habitat for salmonids through pool development and enhancement, increased gravel sorting, and increased habitat cover. In addition, 1,000 native conifer trees will also be planted along the banks of the project site to provide future large wood contributions to this stream reach. CCC crews will also remove weeds around existing, recently planted trees.	Del Norte	South Fork Winchuck River	Winchuck River	$46,753.00	$46,753.00
HI	114	California Conservation Corps	Daugherty Creek & Tributaries LWD Project	To improve the quality and quantity of salmonid rearing habitat within the Daugherty Creek Watershed.	Mendocino	Daugherty Creek~ Gates Creek~ Johnson Creek	Big River	$99,370.00	$99,370.00
HI	056	Eel River Watershed Improvement Group	Sproul Creek Salmonid Habitat Enhancement Project	The overall objective of this project is to enhance and increase large woody cover, pool frequency, and channel complexity and connectivity within a 4.5 mile reach of Sproul Creek, which is native habitat to Chinook and coho salmon and steelhead trout.	Humboldt	Sproul Creek	Eel River	$112,437.00	$112,437.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
HR	060	California State Parks	Bull Creek Willow Nursery	Provide cost effective and environmentally sustainable supply of willow and other plant materials for multi-year riparian and floodway restoration projects in Bull Creek, Humboldt Redwoods State Park.	Humboldt	Bull Creek	Eel River	$58,686.00	$58,686.00
HR	201	Mattole Restoration Council	Mattole Watershed Coho Refugia Conifer Re-establishment	To re-establish conifer cover within high-quality aquatic habitats within the Mattole River watershed's eastern, western and southern sub-basins, the Mattole Restoration Council will (1) plant 41,500 Douglas fir and redwood seedlings along 22.5 miles of riparian habitat and at road decommissioning and upgrade sites, (2) conduct riparian thinning on 40 small-scale plots to release existing conifer seedling to achieve conifer stand dominance in Thompson, Honeydew, and the South Fork Bear Creek, (3) collect Douglas-fir and redwood seeds for future conifer re-establishment projects (up to 300,000 Douglas-fir seedlings and 260,000 redwoods seeds).	Humboldt~ Mendocino	Bear Creek~ Big Alder Creek~ Big Finley Creek~ Blue Slide Creek~ Buck/Sinkyone Creek~ Campbell Creek~ Deer Lick Creek~ Eubank Creek~ Grindstone Creek~ Honeydew Creek~ Jewett Creek~ Little Finley Creek	Mattole	$38,556.00	$38,556.00
HR	040	The Bay Foundation of Morro Bay	Chorro Creek Floodplain and Riparian Restoration Project	(1) Increase habitat complexity for steelhead through installation of in-stream log and/or rock structures to encourage formation of resting and jumping pools and escape habitat. (2) Improve embryonic steelhead survival through improved aeration of gravels used for spawning and rearing habitat. (3) Increase food sources for steelhead and improve water temperatures through enhancement of riparian corridor and wetland areas (1.5 miles). (4) Increase watershed function through removal of agricultural levees and reconnection with enhanced floodplain and wetland areas. (5) Improve water quality and quantity available to steelhead through improved aquifer re-charge by increasing inundation floodplain and wetland areas. (6) Project habitat and biologically diversity of aquatic species in Chorro Creek and Morro Bay through bioengineered bank stabilization of eroding stream banks. (7) Install grade control structures to reduce and prevent channel entrenchment.	San Luis Obispo	Chorro Creek	Estero Bay	$750,000.00	$750,000.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
HR	078	Northern California Resource Center	Shasta River Johanson Fencing and Wetland Enhancement	This project directly addresses the recommendations identified in the Recovery Strategy for California Coho Salmon and the Steelhead Restoration and Management Plan for California. The primary objectives of this project include: Install 3,500 ft. of livestock exclusion fencing to permanently protect riparian habitat and wetlands; Re-establish and enhance riparian vegetation inside the exclusion fencing along the Shasta River and wetland area by planting appropriate native species; Improve fishery and wildlife habitat and increase shading along the Shasta River; Tie in with exclusion fencing immediately below and above project site.	Siskiyou	Shasta River	Shasta River	$28,213.13	$28,213.13
HS	099	Yurok Tribe	Lower Terwer Creek Riparian Restoration & Bank Stabilization Project	Restore long-term habitat complexity, stream channel stability, and a mature riparian canopy within lower Terwer Creek by installing willow siltation baffles, willow mattresses, and tree planting islands on approximately 15 acres of flood-prone surfaces and adjoining streambanks.	Del Norte	Terwer Creek	Klamath	$99,738.00	$99,738.00
HU	009	Trout Unlimited	Hollow Tree Creek Watershed Restoration Implementation Project - Phase 4	The objective of this project is to treat 56 sediment sources identified along approximately 8 miles of road, resulting in an estimated sediment savings of 15,209 yds3. The project will result in near-total road-related sediment reduction to Hollow Tree Creek. This will effectively obviate road-related sediment as a limiting factor to the watersheds health, and will allow the watershed to begin the process of reclaiming salmonid spawning and rearing habitat that has been degraded by decades of accumulated sediment. This will continue the watershed wide work started in 2000.	Mendocino	Islam John Creek~ Lost Man Creek~ Lost Pipe Creek~ Lower Hollow Tree Creek	South Fork Eel	$389,486.00	$389,486.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
HU	198	Mattole Restoration Council	Blue Slide, Mattole Canyon, and Grindstone Creeks Sediment Reduction for Coho Recovery	The Mattole Restoration Council will undertake landscape-scale sediment reduction in the three key Mattole River tributaries that support all three Mattole salmonids. Excess sediment delivery is widely recognized as the primary factor limiting the continued survival of Mattole salmonids. The Blue Slide, Mattole Canyon, and Grindstone Creeks Sediment Reduction for Coho recovery project will treat 170 sites with the potential to deliver in excess of 10 cubic yards of sediment for a total savings of 185,000 cubic yards of sediment. Work will include installing 48 properly sized and placed culverts, armoring outlets of existing culverts, road crowning and the installation of rolling and critical dips along 1.9 miles of road; bioengineered streambank stabilization at 29 sites, and decommissioning 31 stream crossings. In addition, one fish passage barrier will be removed to allow fish passage to 1.0 miles of habitat within the Blue Slide Creek drainage.	Humboldt	Blue Slide Creek~ Grindstone Creek~ Mattole Canyon Creek	Mattole	$238,602.00	$238,602.00
HU	045	Yurok Tribe	Terwer Creek Upslope Implementation Project	Terwer Creek is prioritized for immediate restoration in the Lower Klamath Sub-basin Watershed Restoration Plan (LKWRP) (Gale and Randolph 2000). The watershed preserves some of the best remaining anadromous fish habitat left within the Lower Klamath River Sub-basin. This project sill implement the recommendations of the Terwer Creek Assessment Report (Rhode 2004) by decommissioning high priority road segments to reduce road related sediment impacts to the watershed and their anadromous fisheries. A total of 18 stream crossings and 1 mass wasting site will be pulled with an estimated 18,541 cubic yards.	Del Norte	Terwer Creek	Klamath River	$323,537.00	$323,537.00
HU	097	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Wilson Creek Road Decommissioning & Sediment Reduction Project II	The proposed project will reduce impacts to and restore salmonid habitat through implementation of site specific and prioritized road decommissioning, erosion control and erosion prevention work in the Wilson Creek watershed.	Del Norte	Wilson Creek	Smith River	$353,523.00	$353,523.00
HU	150	The Conservation Fund	Inman Creek Watershed Sediment Control Project, Phase 1	Reduce sediment-related impacts, as well as protect and restore salmonid habitat through the implementation of site-specific and prioritized road upgrading along 8.2 miles of roads and road decommissioning along 4.6 miles of roads in the Inman Creek watershed. The project will prevent over 26,700 yds3 of road-related sediment delivery by treating 150 sites to improve instream habitat for salmonid species in the Garcia River watershed, Mendocino County, CA.	Mendocino	Indian Springs Creek~ Inman Creek	Big-Navarro-Garcia	$407,689.00	$407,689.00

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HU	169	U.S. Forest Service Six Rivers National Forest	Road Decommissioning - Bluff Creek Watershed at Four Corners	Save 40,000 cubic yards of sediment through decommissioning 13.3 miles of high risk roads in the Bluff Creek Watershed. Reducing or eliminating potential sediment sources from roads is necessary to maintain/restore watershed processes which protect spawning and rearing habitat and provides critical thermal refugia for migrating juvenile and adult salmonids. This proposal implements recommendations from; "Recovery Strategy for California Coho Salmon" (DFG 2004), "Road Assessment and Restoration Planning in the Bluff Creek Watershed, Klamath River Basin" (Ledwith 2004 FRGP # P0110334) and "Orleans Road Analysis and OHV Strategy" (USDA 2006).	Humboldt	Bluff Creek	Lower Klamath	$392,797.00	$392,797.00
HU	183	California State Parks	Lower Smoke House Road Rehabilitation Project	The main objective of this project is to preserve prime spawning and rearing habitat in the Smith River, and Mill Creek Watershed by eliminating sources of road-derived sediment. Measurable objectives include outsloping and stabilizing 4.62 miles of abandoned logging roads, removing all fill material from 41 stream crossings, replanting the crossing excavations with appropriate conifer species, and stabilizing fill from 18 log landings. This work is expected to prevent 103,900 cubic yards of sediment delivery to the streams.	Del Norte	Bummer Lake Creek~ East Fork Mill Creek	Smith River	$515,420.00	$515,420.00
HU	196	Mattole Restoration Council	Upper Mattole River Watershed Rehabilitation Project, Ancestor Creek Road Decommissioning Phase	Since 2001, the Mattole Restoration Council has undertaken intensive sediment reduction work throughout the Mattole River headwaters region, generally considered to be the largest salmonid refugia within the watershed, and one of the highest quality habitat areas statewide. Within this phase of this multi-year project, MRC will decommission all roads on a key 40 acre parcel in the headwaters of Ancestor Creek, an uppermost headwaters tributary to the Mattole River. According to the California Coho Recovery Strategy, this region the headwaters of the Mattole River has been documented as having some of the best coho salmon habitat found in California. This project will result in 6,560 cubic yards of sediment savings through the decommissioning 0.93 miles of road and 15 road stream crossings. This complements similar work completed by Sanctuary Forest, Inc. in the other fork of Ancestor Creek.	Mendocino	Ancestor Creek	Mattole River	$27,804.00	$27,804.00

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HU	202	Mattole Restoration Council	Bear Creek Sediment Reduction for Coho Recovery	The Mattole Restoration Council's Good Roads, Clear Creeks program will upgrade 98 road and road-related sediment sites in the Bear Creek tributary sub-basin of the Mattole watershed to improve aquatic habitats for listed anadromous salmonids. Road upgrades will include replacing 40 undersized, failing, or shotgunned culverts with properly sized culverts to reduce the risk of road prism failure at stream crossings, reshaping road surfaces, installing rolling and critical dips, and installing numerous armored fords. The work will prevent an estimated 39,100 cubic yards of sediment from entering this high quality salmonid habitat. In addition, one fish passage barrier will be removed, opening access to 0.9 miles of high-quality salmonid habitat.	Humboldt	Upper Bear Creek	Mattole	$236,239.00	$236,239.00
HU	104	Trinity County Resource Conservation District	Conrad Gulch Road Decommissioning	Enhance salmonid fisheries habitat in Canyon Creek and the mainstem Trinity River by eliminating potential sediment delivery to Conrad Gulch, Canyon Creek and the mainstem Trinity River by decommissioning 2.33 miles of road and removing five stream crossings and five swales. Estimated potential sediment savings from stream crossings and swales is 1,500 cubic yards.	Trinity	Canyon Creek~ Conrad Gulch	Trinity River	$25,000.00	$25,000.00
HU	005	California Department of Forestry and Fire Protection	Road 610 Decommission Project	Properly upgrade 100 feet and decommission 1.3 miles of riparian road 610 in Caspar Watershed. The work will include site specific treatments for stream crossing removals, treating potential fill slope failures, reduce road surface erosion and upgrade a stream crossing, replacing an undersized culvert with one capable of passage of a 100-year storm.	Mendocino	Caspar Creek	Caspar Creek	$26,063.00	$26,063.00
MD	207	Mattole Salmon Group	Mattole River Salmonid Life-stage Monitoring Program, Lower North Fork Downstream Migrant Monitoring	The proposed Downstream Migrant Monitoring project will provide a quantitative abundance estimate of native Mattole Chinook and coho for the Lower North Fork Mattole River based on the latest available methodologies. Using established program elements (i.e. downstream migrant trapping) as well as recently developed relational monitoring databases, the project will provide restoration practitioners in the watershed with the most accurate estimate to date of true juvenile salmonid production in the Lower North Fork. The proposed project will also contribute to the development of validation monitoring protocols based on a 20-year outmigrant monitoring history in the Mattole River watershed.	Humboldt	Lower North Fork Mattole River	Mattole	$15,593.00	$15,593.00

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MD	208	Mattole Salmon Group	Mattole River Salmonid Life-stage Monitoring Program, Smolt Production Estimate 2007-2008	The proposed Smolt Production monitoring project is a low-cost and minimally invasive (due to MSG's comprehensive handling procedures during periods of downmigrating distress that hold fish health first), means for providing a quantitative abundance estimate of native Mattole Chinook and coho based on the latest available methodologies. Using established program elements (i.e. downstream migrant trapping) as well as recently developed relational monitoring databases, the project will provide restoration practitioners and concerned residents in the watershed the most accurate estimate to date of true juvenile salmonid production. This project is integral to evaluating the MSG's overall program success, and also serves as an indicator for the success of numerous publicly funded projects, many of which were CDFG funded.	Humboldt~ Mendocino	Mattole River	Mattole	$16,983.00	$16,983.00
MD	064	California Cooperative Fishery Research Unit	Upper Redwood Creek Juvenile Salmonid (Smolt) Abundance Project	Monitor baseline status and trends of anadromous salmonid populations migrating in Redwood Creek: Determine smolt population abundances for juveniles emigrating from upper Redwood Creek; add new data to existing database (7 years of data).	Humboldt	Redwood Creek	Mad-Redwood	$48,355.00	$48,355.00
MD	066	California Cooperative Fishery Research Unit	Lower Redwood Creek Juvenile Salmonid (Smolt) Abundance Project	Monitor baseline status and trends of anadromous salmonid populations emigrating in Redwood Creek: Determine smolt population abundances for juveniles emigrating from the majority of the Redwood Creek basin in YR 2007; add new data to existing database (3 consecutive years of data).	Humboldt	Redwood Creek	Mad-Redwood	$54,425.00	$54,425.00
MD	127	Shasta Valley Resource Conservation District	Shasta and Scott River Juvenile Emigration Monitoring	Project enables the determination of abundance and timing of salmonid emigration and provides the data needed to help direct future restoration efforts related to water management and habitat restoration in the Shasta Valley.	Siskiyou	Scott River~ Shasta River	Klamath River	$225,452.00	$170,000.00
MD	204	Mattole Salmon Group	Mattole River Salmonid Escapement Monitoring 2007-2008	The proposed Salmonid Escapement Monitoring project will provide the Mattole restoration community with a quantitative annual run-size estimate for Mattole Chinook and coho salmon based on the latest available methodologies. Using established program elements spawning ground surveys and adult weir operation) as well as recently developed relational monitoring databases, the project will provide feedback on the impacts of previous restoration projects and give restoration practitioners in the watershed a comprehensive assessment of adult salmonid populations. The project will allow for the collection of scale and tissue samples for analysis concerning the specific life history variations of Mattole salmonids.	Humboldt~ Mendocino	Mattole River and various tributaries	Mattole	$29,996.00	$29,996.00

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MD	062	Pacific States Marine Fisheries Commission	Monitoring Juvenile Salmonid Use of Freshwater Slough, Elk River Slough and Tidal Portions of Other Tributaries Entering Humboldt Bay	Determine the emigration patterns, estuary use and estuary residence times of juvenile salmonids in Freshwater Slough and the emigration patterns and estuary use of juvenile salmonids in tidal portions of Elk River Slough and other tributaries entering Humboldt Bay. Determine the population of yearling coho salmon residing in the stream-estuary ecotone of Freshwater Creek. We will also look for movement or straying of Freshwater Creek salmonids into the tidal portions of other Humboldt Bay tributaries. Identify important marsh habitats for juvenile salmonids especially coho salmon and steelhead trout, monitor estuarine water temperatures, and provide information to help guide marsh restoration projects to benefit juvenile salmonids.	Humboldt	Elk River~ Freshwater Creek~ tidal portions of Humboldt Bay tribs.	Humboldt Bay	$168,016.00	$168,016.00
MD	027	Resource Conservation District of the Santa Monica Mountains	Topanga Creek Southern Steelhead Monitoring	Document southern steelhead distribution and abundance in Topanga Creek.	Los Angeles	Topanga Creek	Pacific Ocean	$55,255.00	$55,255.00
MD	034	Community Environmental Council	Distribution and Abundance and Habitat Requirements of Steelhead in the Ventura River Basin	To assess the distribution and estimate the abundance of juvenile steelhead/rainbow trout in the Ventura River and principal tributaries (San Antonio Creek and lower NF Matilija Creek) over a two year period, with comparison to estimates from 2006 (current FRGP project). To test the validity of the HSI model developed in 2003, with subsequent modifications in 2006, for use in assessing habitat quality for steelhead in a southern California watershed.	Ventura	Lower NF Matilija Creek~ San Antonio Creek~ Ventura River	Ventura	$229,812.00	$76,604.00

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MO	133	Pacific States Marine Fisheries Commission	Central and South Coast Restoration Monitoring and Evaluation Program 2006/07	Under the direction of DFG, monitor the effectiveness of randomly selected Fisheries Restoration Grants Program projects in the central and south coastal areas, assist DFG grant managers in pre-treatment and implementation monitoring, and conduct quality assurance/control assessments for project monitoring.	Los Angeles~ Monterey~ Orange~ San Benito~ San Diego~ San Luis Obispo~ San Mateo~ Santa Barbara~ Santa Clara~ Santa Cruz~ Ventura	All Coastal	Alisal-Elkhorn Sloughs~ Aliso-San Onofre~ Calleguas~ Carmel~ Central Coastal~ Estrella~ Pajaro~ Salinas~ San Antonio~ San Francisco Coastal South~ San Lorenzo-Soquel~ Santa Barbara Coastal~ Santa Clar	$142,017.00	$142,017.00
MO	200	Mattole Restoration Council	Mattole Stream Channel Monitoring for Adaptive Watershed Management	The Mattole Restoration Council and conservation partners, including numerous state and federal agencies, annually invest over a million dollars in sediment reduction activities to restore the Mattole River watershed. This proposal is to complete basin-wide sediment and stream channel monitoring that will (1) greatly assist in the prioritization of future watershed restoration and habitat protection efforts, (2) improve understanding of the relationship between habitat parameters and salmonid utilization, and (3) compile statistically-significant data on regionally-comparable sediment and stream channel parameters. This proposal requests a modest amount of funding to invest in the second and final stage of watershed-scale trend monitoring.	Humboldt~ Mendocino	Various Mattole River tributaries	Mattole	$21,417.00	$21,417.00
OR	019	Pacific States Marine Fisheries Commission	Passage Assessment Database (PAD)	The PAD project objective is to provide a comprehensive geo-referenced inventory of in-stream barriers and to guide in identification of barriers suitable for improvement in order to restore anadromous habitat connectivity. The main task objectives of this proposal are 1) compilation of summer dams and private road crossings; 2) assist existing grant programs to prioritize barrier removal projects and barrier inventories and assessments in areas lacking fish passage data; and 3) outreach and coordination with local resource conservation districts to reach out to landowners to assess fish passage.	All coastal counties	All Coastal Anadromous	All Coastal Anadromous	$88,604.00	$88,604.00

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PI	173	California Conservation Corps	Fish Habitat Specialist	To expand CCC fish habitat improvement work projects to key coastal watershed of California for funding three Fish Habitat Specialists for one-two years to provide administrative support to DFG Senior Fish Habitat Supervisors responsible for oversight of CCC fisheries habitat restoration programs.	Various	Various	Eel River~ Klamath River~ Morro Bay~ Napa River~ Russian River~ Salinas River~ Santa Ynez River	$408,896.00	$204,448.00
PI	143	Marin County	FishNet 4C	The FishNet 4C Program provides leadership, facilitates collaboration and cooperation between the counties and state and federal agencies, and acts as an information clearinghouse on legislative, permitting, and project design issues. FishNet assists the counties in moving forward on fisheries restoration projects by engaging them in project development, identifying funding sources, assisting them in writing grants and identifying match, developing policy, and implementing projects. Counties are required to meet many regulatory mandates as well as address the needs of their constituents for basic services and facilities. To insure that fisheries restoration projects stay on the table with other services provided by the counties requires political will and support from inside and outside county government. The FishNet 4C Program provides a liaison between the counties and regulatory agencies, and has succeeded with the support of county supervisors and staff.	Marin~ Mendocino~ Monterey~ San Mateo~ Santa Cruz~ Sonoma	Coastal and Bay streams within Central Calif Coast	Aptos Creek~ Big Lagoon~ Big Sur Coastal Creeks~ Bolinas Lagoon and Tributaries~ Carmel River~ Corralitos Creek~ Gazos Creek~ Lagunitas Creek~ Pajaro River~ Pescadero-Butano creeks~ Redwood Creek~ Rus	$98,385.00	$98,385.00
PI	174	Siskiyou County Resource Conservation District	Implementation of Programmatic Permit Programs for Scott & Shasta River Valleys	To build new capacities for the Siskiyou RCD and Shasta Valley RCD to implement, administer and monitor the proposed ITP and 1602 permit programs for the Scott and Shasta River valleys. To provide mutual benefit for coho and agricultural operators participating in the programs in providing adequate support to implement the program. To develop funding mechanisms, participation tracking, and to implementation monitoring. To establish a self-supporting program to satisfy on-going permitting needs.	Siskiyou	Scott River and tributaries~ Shasta River and tributaries	Scott River~ Shasta River	$404,054.00	$80,000.00
PL	131	California State University, Humboldt Foundation	Archeological, Paleontological and Rare Plant Surveys	Conduct archeological resource, paleontological and rare plant surveys on approximately 100 proposed fish habitat restoration projects to identify all prehistoric and/or historic archeological resources, or sites of ethnic significance and presence or non-presence of rare plants.	All coastal counties	All Coastal	All Coastal	$350,000.00	$340,000.00

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PL	043	Central Coast Salmon Enhancement	Pismo Creek Fish Ladder Replacement Design	Design barrier modification for fish ladder structure on Pismo Creek main stem.	San Luis Obispo	Pismo Creek	Pismo Creek	$46,211.00	$46,211.00
PL	139	Sonoma Ecology Center	Stuart Creek Fish Passage Barrier Repair: Phase 2 and 3	A public-private partnership to remove a full barrier to fish passage on one of Sonoma Valley's most protected subwatersheds (a 3.5 mi2 drainage and approximately 14 mi of streams). By increasing the quantity of accessible spawning and rearing habitat, we aim to increase the total population of anadromous fish in the Sonoma Creek watershed.	Napa	Stuart Creek	San Pablo Bay	$68,829.00	$68,829.00
PL	084	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Stream Crossing Inventory and Fish Passage Evaluation of Stream Crossings and Other Man-made Impediments within California State Parks - North Coast District	Conduct an inventory of approximately 50 stream crossings located within anadromous stream reaches of tributaries within the North Coast State Park District; 2) assess passage of adult and juvenile salmonids; and 3) produce a final report and project-scheduling document for the District that will prioritize corrective treatments (where needed) and provide site-specific recommendations for unimpeded fish passage.	Del Norte~ Humboldt~ Mendocino	Eel River tributaries~ Redwood Creek tributaries~ Smith River tributaries	Eel River~ Redwood Creek~ Smith River	$68,212.00	$68,212.00
PL	036	Noreen Cabanting	San Antonio Creek Watershed Vegetation Mapping	The proposed project would survey vegetation and document the physical extent of non-native, invasive plant species, particularly arundo (Arundo donax) in the San Antonio Creek Watershed. The vegetation mapping would use CNPS guidelines and incorporate a modified Sawyer/Keeler-Wolfe classification system. This information will be integrated with other available data to develop a prioritized list of areas that can be targeted for invasive plant removal.	Ventura	Lion Creek~ San Antonio Creek~ Stewart Canyon~ Thacher Creek	Ventura River	$67,185.00	$67,185.00
PL	178	Siskiyou Resource Conservation District	Scott River Watershed Council - Planning Phase II	Develop a contingency plan for dry and critically dry water years through the coordination of local, voluntary efforts to improve water quality and fisheries habitat for coho and Chinook salmon. Complete the Scott River Watershed Strategic Action Plan - Phase II and carry out high priority tasks required for coho recovery. Managed project data using a Restoration Project Management Database with results in reporting restoration accomplishments throughout the Scott River watershed.	Siskiyou	Scott River~ Scott River tributaries	Scott River	$117,750.00	$57,445.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
PL	051	Sotoyome Resource Conservation District	Pena, Grape & Crane Creek Sediment Source Assessment	The objective of this project is to complete a comprehensive inventory along 10 miles of roads, Chamise, Brack & Big Ridge Roads and Shaina Way, which traverse the Pena, Grape and Crane Creek watersheds that will identify, prioritize and recommend cost-effective treatments of future sediment delivery sources most likely to impact salmonid bearing streams channels if left untreated. These stream channels include Chapman Branch, Pechanco Creek, Boyer Creek, Sweetwater Creek, all tributaries to Pena, Grape and Crane Creeks, all of which are tributaries to Dry Creek, which is a main tributary of the Russian River and known to be habitat to Chinook salmon, coho salmon and steelhead trout. Identifying erosion control projects and then implementing them in this part of the watershed will also benefit salmonid populations downstream in the mainstem of the river by eliminating sediment delivery from these tributaries.	Sonoma	Crane Creek~ Grape Creek~ Pena Creek	Russian River	$15,606.00	$15,606.00
PL	095	City of Santa Barbara	Mission Creek Fish Passage Project	To construct a scaled physical model in order to test the feasibility of removing all or a portion of the concrete channel in Mission Creek so as to provide suitable conditions for the passage of steelhead trout upstream to spawning habitat in the upper Mission Creek watershed. Currently, the concrete channels block all fish passage upstream to spawning habitat. The main objective of the physical model study will be to evaluate the hydraulic performance of the modified channel geometry over the expected range of operating conditions.	Santa Barbara	Mission Creek	Mission Creek	$155,000.00	$155,000.00
TE	061	Salmonid Restoration Federation	26th Annual Salmonid Restoration Conference	To produce the 26th Annual SRF Conference in order to improve the technical skills of salmon, steelhead and trout fisheries restoration practitioners, landowners, agency personnel and contractors. This public and private sector training focuses on habitat analysis, monitoring, education, and restoration techniques to recover anadromous salmonid populations.	All coastal counties	N/A	N/A	$25,492.00	$25,492.00

Project Type	Proposal Number	Contractor	Project Name	Objective	County	Stream	Maj. Drainage System	Amt. Requested	Amt. Recommended
TE	135	Pacific Coast Fish Wildlife and Wetlands Restoration Association	Update Fish Passage Techniques in Part VII of California Salmonid Habitat Restoration Manual	Update the fish passage related implementation sections within Part VII of the Restoration Manual. The document will cover the most up-to-date techniques and concepts, including stream simulation design, baffles, grade control, and fish ladders. Additionally, we will guide readers to other references and guidance documents and create a website providing these references electronically. As the principal fish passage guidance document within the State, it is critical that the CA Salmonid Habitat Restoration Manual contains state-of-the-practice techniques for providing passage of fish and other aquatic animals.	All coastal counties	N/A	N/A	$100,870.00	$100,870.00
TE	091	Salmonid Restoration Federation	Fish Passage Design and Engineering Workshops	Organize and implement two fish passage design and engineering workshops for county staff, engineers, consultants and biologists working to design and construct fish passage barrier modification or removal projects. SRF will work closely with FishNet 4C, DFG, CalTrans, RCDs, North Coast tribes as well as local non-profits, city planners, and engineering staff.	All coastal counties	N/A	N/A	$29,895.00	$29,895.00
WC	179	Sanctuary Forest, Incorporated	Mattole Flow Program: Water Storage and Forbearance Phase I	Restore summertime in-stream flows to sustain juvenile coho, steelhead and Chinook salmonids through a seasonal water management program. Install fourteen 50,000 gallon tanks within two critical reaches of the Mattole River headwaters and acquire corresponding seasonal water rights (forbearance agreements) to prevent summertime water diversion. Resulting conservation will provide approximately 8.8 GPM of additional stream flow during summertime low flow period, enhancing water quantity and quality and juvenile rearing habitat.	Humboldt~ Mendocino	Mattole River headwaters	Mattole River	$100,000.00	$100,000.00

Total Recommended = $9,621,608